(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



# - I CORRE BUILDING HER BUILD WERK COM CORRES COM EN HER COM FOR COM COM CORRES AND COMPANY CORRES AND COMPANY

(43) International Publication Date 18 August 2005 (18.08.2005)

**PCT** 

# (10) International Publication Number WO 2005/076001 A3

(51) International Patent Classification<sup>7</sup>: G01N 33/569, A61K 38/03

(21) International Application Number:

PCT/EP2005/001395

(22) International Filing Date: 7 February 2005 (07.02.2005)

(25) Filing Language:

**English** 

(26) Publication Language:

**English** 

(30) Priority Data: PCT/EP2004/01106

6 February 2004 (06.02.2004) EP

- (71) Applicant (for all designated States except US): INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) [FR/FR]; 101 rue de Tolbiac, F-75654 Paris Cedex 13 (FR).
- (72) Inventors; and

Α

(75) Inventors/Applicants (for US only): VIEILLARD, Vincent [FR/FR]; 46 rue St Louis en l'île, F-75004 Paris

(FR). **DEBRE, Patrice** [FR/FR]; 3 rue Jacob, F-75006 Paris (FR).

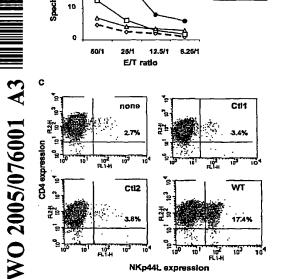
- (74) Agents: MICHELET, Alain et al.; Cabinet Harle et Phelip, 7 rue de Madrid, F-75008 Paris (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: A POLYPEPTIDE DERIVED FROM GP41, A VACCINE COMPOSITION COMPRISING SAID POLYPEPTIDE, AND USES FOR TREATING AN INFECTION BY AN HIV VIRUS IN AN INDIVIDUAL

WT: NH2-PWASNA-SWSNKS-LDDIW-COOH ctll: NH2-PWASNA-TWTQRT-LDDIW-COOH ctll: NH2-PWGTQG-TWTQRT-IEELW-COOH

30 50/1 25/1 12.5/1 8.25/1 ET ratio (57) Abstract: The present invention relates to the field of the in vitro diagnosis of the progression status of an infection of an individual with a virus belonging to the family of the Human Immunodeficiency Viruses (HIV) as well as with the therapeutical treatment of this infectious disease. The invention also relates to immunological compounds and vaccine compositions comprising a polypeptide derived from gp41.



#### 

FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report: 24 November 2005

## **Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.